University of Glasgow.

FACULTY OF MEDICINE.

PROGRAMME OF COURSES,

REGULATIONS FOR GRADUATION,

AND

BURSARIES AND PRIZES

OPEN FOR COMPETITION.

1902-3.

GLASGOW:
JAMES MACLEHOSE & SONS, 61 St. Vincent Street,
Publishers and Booksellers to the University,
1902.

GLASGOW UNIVERSITY CALENDAR.

The Glasgow University Calendar contains a history of the University, and an account of its present Constitution and Government; statements regarding the various Faculties and Classes; the Regulations and Subjects of Examination for Degrees in Arts, Science, Medicine, Law, and Divinity; the questions proposed to Candidates for Degrees; the annual Graduation and Prize Lists; and the Bursaries, Scholarships, Fellowships, and other Endowments of the University.

It also contains a Statement of the Annual Income and Expenditure of the University; a List of the Members of the General Council; a List of the recognised Extra-Academical Lecturers; and notices of the various Students' Societies.

The Calendar (one volume, 698 pages) is published by James MacLehose & Sons, 61 St. Vincent Street, Glasgow. Price 3s., by post 3s. 5d.

University of Glasgow,
July, 1902.

MATRICULATION AND CLASS ENROLMENT.

For the purposes of Matriculation and Enrolment in Classes, the Matriculation Office and the Clerk of Senate's Office will be open as follows :

WINTER SESSION, 1902-3.

From 15th to 31st October, 1902,[1] - - - 9 a.m. to 2 p.m.
From 1st to 7th November, 1902 (close of Matriculation and Enrolment), - - - - - 9.30 a.m. to 1.15 p.m.

SUMMER SESSION, 1903.

From 22nd April to 5th May, 1903 (close of Matriculation and Enrolment), - - - 9.30 a.m. to 1.15 p.m.

Both in Winter and Summer the Offices will close on Saturdays at 12 noon.

N.B.—Every student must attend **personally** to sign the Matriculation Album, and fill up the Matriculation and Enrolment Forms.

The Matriculation Fees are: in Winter (covering both Winter and Summer Sessions), £1 1s.; in Summer (for those who were not matriculated in winter), 10s. 6d.

Women Students matriculate and enrol at Queen Margaret College.

[1] In consequence of the election of Rector, both offices will be closed from 12 noon on Friday, 24th October, 1902, till the following Monday morning.

Programme of the Courses.

FACULTY OF MEDICINE.

Dean—PROFESSOR M'CALL ANDERSON, M.D.

SESSION 1902-3.

The WINTER SESSION will be opened *on Thursday, the 16th October, 1902*, and will close *on Thursday, the 26th March, 1903.*

Classes.	*Hours.*	*Class Fees.*	
Natural History, Zoology, .	9 a.m., .	£3 3	PROF.
Zoological Laboratory, .	10 a.m. to 1 p.m., .	3 3	
Chemistry, ...	10 a.m., .	3 3	PROF. FERGUSON.
Chemical Laboratory, . .	10 a.m. to 4 p.m., .	10 10	
———— (*Half Session*),	. . .	5 5	

Classes.	*Hours.*	*Class Fees.*		
Anatomy, Junior,	1 p.m.,	3	3	PROF. CLELAND and Demonstrators.
——— *Senior,*	11 a.m.,	3	3	
Practical Anatomy,	9 a.m. to 4.45 p.m.,	3	3[1]	
Physiology,	12 noon,	3	3	PROF. M'KENDRICK and Muirhead Demonstrator
Physiological Laboratory,	10 a.m. to 4 p.m.,	10	10	
——— (*Half Session*),		5	5	
Materia Medica and Therap.,	1 p.m.,	£3	3	PROF. STOCKMAN.
Pathology, Systematic,	3 p.m.,	3	3	PROF. MUIR.
——— *Demonstrations only,*		1	1	
Surgery,	12 noon,	3	3	PROF. SIR WM MACEWEN
Midwifery,	2 p.m.,	3	3	PROF. M. CAMERON.
Practice of Medicine,	11 a.m.,	3	3	PROF. ANDERSON.
Clinical Medicine,	9 a.m., (see *Cal.* p. 65)			PROF. GEMMELL and PROF. ANDERSON.
Clinical Surgery,	9 a.m., (see *Cal.* p. 65)			PROF. SIR H. C. CAMERON and PROF. SIR WM MACEWEN.
Public Health Laboratory,	(see *Cal.* p. 104),	12	12	PROFESSOR GLAISTER and Assistant.
——— (*Half Session*),		6	6	
Ear,	4 p.m., Mon. (see *Cal.* p. 111),	1	1	Dr. Thomas Barr.
Throat and Nose,	4 p.m., Th. (University), 4 p.m., Tues. or Fri. (Western Infirmary),	1	1	J. Walker Downie, M.B.

The SUMMER SESSION (*1903*) will be opened *on Wednesday, 22nd April,* and will extend over Ten Teaching Weeks.

Classes.	*Hours.*	*Class Fees.*		
Physics,	11 a.m.,	£3	3	PROF. GRAY & Arnott & Thomson Demonstrator
Botany,	a.m. (see *Cal.* p. 94),	3	3	PROF. BOWER.
Botanical Laboratory,	9 a.m. to 4 p.m.,	3	3	
Clinical Medicine,	9 a.m., (see *Cal.* p. 65)			PROF. GEMMELL and PROF. ANDERSON.
Clinical Surgery,	9 a.m., (see *Cal.* p. 65)			PROF. SIR H. C. CAMERON and PROF. SIR WM MACEWEN.
Practical Chemistry,	9 to 11 a.m.,	£3	3[2]	PROF. FERGUSON.
Chemical Laboratory,	10 a.m. to 4 p.m.,	5	5	
Practical Anatomy,	8 a.m. to 3 p.m.,	2	2[1]	PROF. CLELAND and Demonstrators.
Embryology,	11 a.m. (see *Cal.* p. 99),	2	2	Dr. J. F. Gemmill.
Embryological Laboratory,	9 a.m. to 4 p.m. (see *Cal.* p. 99),	3	3	
Practical Anatomy and Embryology, if taken together,		3	3	
Practical Zoology,	10 a.m. to 1 p.m.,	3	3	PROF.
Practical Pharmacy,	12 noon,	3	3	PROF. STOCKMAN.
Practical Physiology,[3]	12 noon (see p. 100),	3	3	PROF. M'KENDRICK and Muirhead Demonstrator
Physiological Laboratory,	10 a.m. to 4 p.m.,	5	5	

[1] Students who have taken two winters and two summers of Practical Anatomy, as well as the Junior and Senior Lecture Courses, may afterwards enrol in Practical Anatomy at £1 1s.

[2] Instead of this Practical Course in Summer, Medical Students may take a three months' course of Laboratory Instruction in Winter.

[3] After first Lecture, the Class will meet in divisions.

Classes.	*Hours.*	*Class Fees.*		
Medical Jurisprudence and Public Health, . .	11 a.m., . . .	3	3	PROF. GLAISTER.
Public Health Laboratory,	(see *Cal.* p. 104), .	6	6	
Practical Pathology,[1] .	3 p.m. (see *Cal.* p. 103), .	3	3	PROF. MUIR.
Operative Surgery,	12 noon, with practical work at other hours as may be arranged, . . .	3	3	PROF. SIR WM. MACEWEN.
Diseases of Women, . .	2 p.m., Tu., Th., Fri.,	2	2	PROF. M. CAMERON.
Insanity, . .	12 noon, Wed. (University), 10 a.m. Sat. (Gartnavel),	2	2	Dr. Yellowlees.
Ear, . . .	4 p.m., Mon. (see *Cal.* p. 111),	1	1	Dr. Thomas Barr.
Throat and Nose,	4 p.m., Th. (University), . 4 p.m., Tues. or Friday. (Western Infirmary), .	1	1	J. Walker Downie, M.B.

UNIVERSITY ASSISTANTS.

Zoology, ; *Botany,* William H. Lang, D.Sc., M.B., and D. T. Gwynne Vaughan, M.A.; *Chemistry,* W. Carrick Anderson, M.A., D.Sc., Matthew A. Parker, B.Sc., and James Roberts, F.C.S.; *Anatomy,* James F. Gemmill, M.A., M.D., William K. Hutton, M.A., M.B., Archibald N. M'Lellan, M.B., and ; *Physiology,* Walter Colquhoun, M.A., M.B. (Muirhead Demonstrator), and John P. Duncan, B.Sc., M.B.; *Materia Medica,* Francis J. Charteris, M.B.; *Pathology,* Alex. R. Ferguson, M.D., and James Walker, M.B.; *Surgery,* Robert Kennedy, D.Sc., M.D.; *Midwifery,* John M. M. Kerr, M.B.; *Practice of Medicine,* William R. Jack, B.Sc., M.D., and James W. Nicol, M.B.; *Forensic Medicine,* George A. Brown, M.B.

Clinical Surgery (Professor Sir William Macewen), John A. C. Macewen, B.Sc., M.B.; *Clinical Surgery* (Professor Sir H. C. Cameron), Alfred A. Young, M.A., M.B.; *Clinical Medicine* (Professor M'Call Anderson), William R. Jack, B.Sc., M.D., and James Hinshelwood, M.A., M.D.; *Clinical Medicine* (Professor Gemmell), Alfred Webster, M.D.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

WESTERN INFIRMARY.—This Hospital contains 416 beds for medical and surgical patients, including Wards for Skin Diseases, and one for diseases peculiar to females. *Physicians*—Prof. T. M'Call Anderson, M.D.; James Finlayson, M.D., LL.D.; Prof. Samson Gemmell, M.D.; Prof. Ralph Stockman, M.D. *Honorary Consulting Physicians*—Gavin P. Tennent, M.D.; Sir William T. Gairdner, K.C.B., M.D., LL.D., F.R.S. *Physicians for Diseases of Women*—W. L. Reid, M.D.; Professor Murdoch Cameron, M.D. *Assistant Physicians*—John Alexander, M.D.; William G. Dun, M.D.; R. S. Thomson, M.D.; R. B. Ness, M.B. *Surgeons*—Professor Sir Hector C.

[1] See note 3 on page 4.

Cameron, M.D.; Professor Sir William Macewen, M.D., LL.D., F.R.S.; J. C. Renton, M.D.; George T. Beatson, M.D.; T. K. Dalziel, M.B. *Honorary Consulting Surgeon*—George Buchanan, M.D., LL.D. *Honorary Consulting Ophthalmic Surgeon*—T. Reid, M.D., LL.D. *Assistant Surgeons*—James H. Nicoll, M.B.; Duncan Macartney, M.D.; Robert Kennedy, M.A., D.Sc., M.D.; Alfred A. Young, M.A., M.B. *Dispensary Physicians*—William R. Jack, B.Sc., M.D.; Henry E. Jones, M.B.; Hugh Galt, M.B.; James Carslaw, M.A., M.B., C.M.; John M. Cowan, B.A., M.B., B.C.; Alfred Webster, M.D. *Extra Dispensary Physicians*—John S. M'Kendrick, M.D.; Robert Fullarton, M.A., M.B., Ch.B.; James C. M'Clure, M.B., C.M. *Dispensary Physicians for Diseases of Women*—Robert Kirk, M.D.; J. M. Munro Kerr, M.B.; E. H. Lawrence Oliphant, M.D. *Dispensary Surgeons*—George Burnside Buchanan, B.A. (Cantab.), M.B.; John Morton, M.B.; G. H. Edington, M.D. *Extra Dispensary Surgeons*—Farquhar Macrae, M.B., C.M.; Alexander MacLennan, M.B., C.M. *Dispensary Surgeon for Diseases of the Ear*—Thomas Barr, M.D. *Dispensary Surgeon for Diseases of the Throat and Nose*—J. Walker Downie, M.B. *Surgeon Dentist*—W. D. Woodburn, L.D.S. *Pathologist*—Professor Robert Muir, M.D. *Assistant Pathologist*—A. R. Ferguson, M.D. *Vaccinator*—John W. Nicol, M.B. *Medical Superintendent*—Donald J. Mackintosh, M.B. *Lady Superintendent*—Miss E. C. Shannon. *Secretary*—Henry Johnston, 125 Buchanan Street. The hour of visit is 9 A.M. The Dispensary for Out-Patients is open daily at 2 P.M. Vaccination—Mondays and Thursdays at 12 noon. The station is recognized by the Local Government Board. Fee, £1 1s. According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations:—

1. No student shall be permitted to attend the Infirmary without a Ticket duly signed by the Superintendent.

2. The Fees payable shall be as follows:—

(*a*) Every Student on payment for the first year of a fee of £10 10s., will be entitled to admission to the Infirmary also to attend the Winter and Summer Courses of Clinical Instruction during the said year.

(*b*) Every Student, on payment at the commencement of his second year of an additional fee of £10 10s., will have a life

privilege of admission to the Infirmary, and to the several Courses of Clinical instruction.

(*c*) The Fee for Hospital attendance and Clinical Instruction for six months only shall be £7 7s.

(*d*) The Fee for Hospital attendance and Clinical Instruction for three months only shall be £4 4s.

(*e*) Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a fee of £2 2s.

(*f*) When a Student pays £21 or upwards in any of the payments fixed by the Managers in respect to his Clinical studies at the Infirmary, he shall be entitled in consequence to a perpetual ticket.

(*g*) There shall be two Courses of Clinical instruction, the first extending from the beginning of November to April, and the second from the beginning of May to July.

(*h*) At the beginning of each Course the Student shall give intimation to the Superintendent of the Clinical Teacher whose course he wishes to attend, by filling up a form which will be supplied on application to the Superintendent.

3. The fees shall be paid to the Superintendent, who shall give each Student a Ticket of Admission to the Lectures of the Physicians or Surgeons he wishes to attend. He shall also hand to each of the Clinical Lecturers a list of the Students who have taken out Tickets for their respective Courses.

Students who have taken the Hospital Ticket previous to 1st October, 1876, will continue at the scale of Fees then in use, but an additional payment of £10 10s. will make them perpetual Students of the Hospital, and admit also to the Clinical Classes under the above Rules.

4. Students shall have the privilege of accompanying the Physicians or Surgeons in their daily visits to the Patients, and of attending operations and *post-mortem* examinations; but *Students are not permitted to enter any of the Wards except at the visit hour and in the presence of the Physicians and Surgeons.*

5. Students may be allowed the use of the Journals for examination on application to the Superintendent, who shall appoint the time and place for the examination. The Books shall not, on any account or pretext whatever, be carried out of the Hospital; or be written upon, or otherwise defaced.

The Janitor is required to take care that no Student shall remain in the Hospital after the hour of visit, except by the express permission of a Physician or Surgeon, or of the Superintendent.

6. Students attending the Physicians or Surgeons during their visits, or while performing operations, and while attending the Dispensary, are to behave with decency and propriety —keeping their hats off, and avoiding at all times doing anything that may disturb the Physicians, Surgeons, Assistants, Dressers, or Patients.

7. Students, when accompanying the Physicians and Surgeons, in visiting the Wards, shall on no account annoy the Patients with unnecessary questions, or offer any advice or opinion to them relative to their diseases; nor can they be allowed to approach such Patients as the Physicians or Surgeons may think proper to keep quiet or private.

8. The Seats in the Area of the Operation-Room during Operations shall be reserved for the attending Physicians and Surgeons, Medical Visitors, and Assistants, and no person shall be allowed to stand in the Area excepting those whom the Operating Surgeon deems necessary.

9. If any Student shall be guilty of infringing any of the above Regulations, he shall be liable to forfeit the benefit of his Ticket, and the privilege of ever attending the House in future.

Out-Door Visitation.—Senior Students who have passed their Third Professional Examination are permitted to visit the sick poor in the Anderston district, under the supervision of certain Professors of the University and assistants.

Royal Infirmary.—Hour of Visit—Surgical, 9 a.m.; Medical, 10 a.m. Clinical Lectures given by the Physicians and Surgeons. Fees for Hospital attendance and Clinical Instruction—same as in the Western Infirmary, excepting fee for six months, which is £6 6s. in the Royal Infirmary.

Eye Infirmary, 174 Berkeley Street and 80 Charlotte Street.—Hour of Visit, 1 p.m. daily. Fee for six months, £1 1s.; for twelve months, £2 2s.

Ophthalmic Institution, 126 West Regent Street.—Hour of Visit, 2 p.m. Fee for a qualifying course, £1 1s.

Insanity.—During the Summer Session Dr. Yellowlees gives in the University a Course of Lectures on Insanity at 12

noon on Wednesdays, and Clinical Instruction at the Glasgow Royal Asylum, Gartnavel, at 10 A.M. on Saturdays. Fee for the combined Course, £2 2s.

Clinical Instruction in Fevers is given at the Ruchill Hospital and the Belvidere Hospital. Fee for a course extending over ten weeks, once a week, £1 1s. Apply to Mr. James D. Borthwick, 285 George Street, Glasgow.

There are also Hospitals for Diseases of the Skin and Ear.

CLASSES IN THE FACULTY OF MEDICINE.

The Faculty of Medicine embraces the Classes of Botany, Natural History, Physics, Chemistry, Anatomy, Embryology, Physiology, Materia Medica, Pathology, Forensic Medicine, Surgery, Clinical Surgery, Practice of Medicine, Clinical Medicine, Midwifery, Insanity, Diseases of the Eye, Diseases of the Ear, Diseases of the Throat and Nose, Diseases of the Skin, and Diseases of Children.

ORDER OF STUDY RECOMMENDED.

It is advantageous that the Student should commence his studies in Summer. Candidates are advised not to go up for examination in Chemistry and Zoology till the Autumn before the Second Winter.

1st Summer.—Physics and Botany. Practical Zoology may also be taken.

1st Winter.—Chemistry, Junior Anatomy, Zoology. Practical Chemistry in Laboratory may also be taken if desired.

2nd Summer.—Practical Anatomy. Practical Chemistry, and also Practical Zoology, may be taken if not already attended.

2nd Winter.—Senior Anatomy, Physiology and Practical Anatomy.

3rd Summer.—Practical Anatomy, Practical Physiology, Practical Pharmacy, Clinical Surgery and Hospital.

3rd Winter.—Surgery, Materia Medica, Clinical Surgery, Hospital and Dispensary Practice.

4th Summer.—Practical Pathology, Medical Jurisprudence and Public Health, Operative Surgery, Clinical Medicine and Hospital.

4th Winter.—Pathology, Practice of Medicine and Midwifery. Also Clinical Class and Hospital.

5TH SUMMER.—Insanity, Diseases of Women, the Skin, the Eye, the Ear, the Throat and Nose, Vaccination, Hospital, Fevers.

5TH WINTER.—Hospital, Midwifery Practice, and Specialities of Practice not previously attended to.

REGULATIONS FOR GRADUATION IN MEDICINE AND SURGERY.

The Degrees in Medicine and Surgery conferred by this University are all recognised by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

Every student who began his medical studies previous to 1st January, 1892, is entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before[1] or after that date. All others must fulfil the requirements of the new ordinance—(Ordinance No. 14, Glasgow No. 1—Regulations for Degrees in Medicine)—the principal provisions of which are as follows :—

I. Four degrees in Medicine and Surgery are conferred by the University of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The Degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, and the Degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Surgery.

II. Subject to regulations to be made from time to time by the University Court, the University may also confer diplomas in Special Branches of Medical and Surgical Practice on graduates of the University in Medicine and Surgery.

III. Before commencing his medical studies, each student shall pass a Preliminary Examination in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German : Provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate may be substituted for one in either French or German, and an examination in any other classical language for one in Latin or Greek.[2]

[1] These regulations may be found at pp. 188—192 of the *University Calendar* for session 1895-96, and in the *Calendars* for preceding sessions.

[2] The candidate for the Degrees of Bachelor of Medicine and Bachelor of Surgery must have been registered in the books of the General Medical Council at least five years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 54 George Square, Edinburgh, together with a printed form of application, which may be obtained from the Assistant Clerk (Matriculation Office, University), a certificate of having passed the Preliminary Examination, and satisfactory evidence of the applicant having attained the age of sixteen years.

IV. The extent and standard of the Preliminary Examination shall be determined by the Joint-Board of Examiners constituted under Ordinance No. 13 (Regulations as to Examinations) in accordance with the terms of that ordinance.

Under this section the Joint-Board have directed that for the Medical Preliminary Examination the papers set in Latin, Greek, and Mathematics shall be the same as those set on the lower standard in these subjects in the Arts and Science Preliminary Examination.[1]

In English, no set books shall be prescribed, nor shall a general knowledge of the life and works of the greater authors be expected of candidates, but one or two questions may be set, giving an opportunity to candidates to show a knowledge of famous literary works. The historical questions shall not be confined to any one period, but shall cover the whole of British History, and shall be set in such a way as to give an opportunity to candidates who have confined their studies to a single period to show their knowledge. A single three hours' paper shall be set, containing an Essay, a Paraphrase, two questions on History, two on Geography, four on Grammar (including correction of sentences, parsing, analysis of sentences, and derivations), two of a literary and general kind. Eight answers shall be required. The Essay, the Paraphrase, one answer on History and one on Geography shall be compulsory.

One paper shall be set in French and one in German. The papers shall be of a lower standard than those set in these subjects in the Arts and Science Preliminary Examination. The time allowed for each of these papers shall be three hours. The paper in each subject shall comprise questions in Grammar, translation into English, a piece of English, and some short sentences in English of an idiomatic character, for translation.

It shall be in the option of any candidate for the Medical Preliminary to take the papers set on the higher standard for the Arts Preliminary in any of the subjects.

Candidates who, having taken English, Latin, Greek, Mathematics, or a Modern Language, on the higher standard, as prescribed by the Arts Ordinance for the Arts and Science Preliminary, have obtained a satisfactory percentage of marks, shall be held to have passed the Medical Preliminary in these subjects: Provided that all the required subjects are passed at no more than two examinations.

It shall be at the Board's discretion at all times in the case of any candidate for the Medical Preliminary who professes all his four subjects at one time, and who has obtained in all a number of marks equivalent to the sum of the marks required for a pass in each, to allow such candidate a pass in the whole examination, provided that in no single subject he has obtained less than half of the marks required for a pass, and that the pass-mark be reached in the English paper.

V. The Preliminary Examination shall be conducted in accordance with the provisions of Ordinance No. 13 (Regulations as to Examinations), and, subject to the provisions of the immediately succeeding section hereof, *a candidate shall be obliged to pass in all the required*

[1] For details see pp. 28, 29 hereof.

subjects at one or not more than two examinations; Provided that he may offer himself for re-examination as often as may be necessary to satisfy this condition.[1]

VI. A degree in Arts or in Science (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination; and the Joint-Board of Examiners appointed under the provisions of Ordinance No. 13 (Regulations as to Examinations) shall have power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the Preliminary Examination.

The Joint-Board have issued the following rules under the heading:—Examinations accepted as exempting from the Preliminary Examination in Medicine: *Provided always that the regulations of the General Medical Council regarding the registration of students of Medicine be complied with*:—

1. In terms of the Medical Ordinances, "a degree in Arts or in Science (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination."

2. Any candidate who produces a certificate of having passed the Preliminary Examination in Arts or Science in any Scottish University, either at the University Examination or through the Leaving Certificate Examinations of the Scotch Education Department, or partly at the University Examination and partly through the Leaving Certificate Examinations, shall be held to have passed the Preliminary Examination for Medicine: Provided that the examination has included the specified subjects of General Education as required under the Regulations of the General Medical Council, and by Section III. of this ordinance.

3. A candidate who has passed the Arts and Science Preliminary Examination of the Joint-Board in any subject (Higher Standard where there is more than one) recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

4. A candidate who has passed the Leaving Certificate Examinations (Honours or Higher Grade) of the Scotch Education Department in any subject recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

The regulation that all the subjects of the examination shall be passed at one or not more than two examinations shall not be held to apply to the above cases, 2, 3, and 4. But candidates complying with Rules (2, 3, and 4) must obtain a University Certificate specifying the examinations passed by them which have been accepted as equivalents o the Preliminary, and must present said certificate to the Medical Registrar in order to registration.

[1] The words in *italics* are taken from Ordinance No. 156, Section I.

Further, each such candidate when applying for said certificate must, if he has not entered for any part of the Preliminary, produce a Matriculation Card from some one of the Scottish Universities.

5. The lower Grade Leaving Certificate Examinations of the Scotch Education Department will only be accepted as exempting from the Medical Preliminary Examination provided the examinations in all the requisite subjects have been taken and passed at one or not more than two examinations.

6. The following English and Irish University Examinations will be accepted[1] (provided they include all the subjects required under the regulations of the General Medical Council, and prescribed by Section III. of this ordinance), viz.:—

OXFORD Responsions, or Moderations—provided the candidate pass the examination of the Joint-Board in English.

CAMBRIDGE Previous Examination—provided that candidates who have passed it prior to Michaelmas, 1896, shall pass the examination of the Joint-Board in English. If passed after Michaelmas, 1896, the Previous Examination will be accepted as exempting *in toto*.

OXFORD Senior Local Examinations will be accepted *pro tanto*, provided that, as regards English, the certificate shall bear that the candidate has passed in divisions (*a*), (*b*), and (*c*).

OXFORD Higher Examination for Women will be accepted *pro tanto*.

CAMBRIDGE Senior Local Examinations will be accepted *pro tanto*.

CAMBRIDGE Higher Local Examinations will be accepted *pro tanto*.

OXFORD and CAMBRIDGE Schools Examination Higher Certificate will be accepted *pro tanto*, provided that, as regards Mathematics, the certificate shall bear that the candidate has passed in both Elementary and Additional Mathematics.

LONDON UNIVERSITY Matriculation Examination.

DUBLIN, TRINITY COLLEGE.—Public Entrance Examination.

ROYAL UNIVERSITY OF IRELAND.—Matriculation Examination.

VICTORIA UNIVERSITY.—Preliminary Examination; Entrance Examination in Arts.

By *pro tanto* is here meant that a certificate of having passed in the examination referred to, in any subject required for the Medical Preliminary Examination, shall, as regards that subject, exempt from further examination in the said Preliminary Examination, provided that all the required subjects shall be passed at one or not more than two examinations.

7. The examinations of the following Indian, Colonial, and Foreign Universities and Colleges will be accepted[1] (provided the examinations include all the subjects required by the General Medical Council and prescribed by Section III. of this ordinance), viz.:—

UNIVERSITIES OF (1) CALCUTTA, (2) MADRAS, (3) BOMBAY, (4) ALLAHABAD, and (5) PANJAB—Entrance Examination.

UNIVERSITIES OF (1) THE CAPE OF GOOD HOPE.—Matriculation Examination; (2) TASMANIA.—Matriculation Examination; (3) NEW ZEALAND.—Matriculation and Medical Preliminary

[1] The italicised words in Section V., pages 11 and 12, shall be held to apply to the acceptance of these Examinations.

Examinations; (4) MELBOURNE.—Matriculation Examination (5) SYDNEY.—Matriculation Examination; (6) ADELAIDE.—Matriculation Examination, or its substitute, the Senior or Junior Public Examination.

THE PROVINCIAL EDUCATION DEPARTMENT OF ONTARIO.—Departmental Pass Arts Matriculation Examination.

TRINITY UNIVERSITY, TORONTO.—Matriculation Examination.

THE UNIVERSITY OF TORONTO.—Senior or Junior Matriculation Examination.

QUEEN'S COLLEGE AND UNIVERSITY, KINGSTON.—Matriculation Examination.

M'GILL UNIVERSITY.—Matriculation Examination.

KING'S COLLEGE, WINDSOR, NOVA SCOTIA.—Responsions.

DALHOUSIE COLLEGE, HALIFAX.—Matriculation Examination.

MOUNT ALLISON COLLEGE, SACKVILLE, NEW BRUNSWICK.—Matriculation Examination.

THE UNIVERSITY OF WINNIPEG.—Preliminary Examination in Arts.

VICTORIA COLLEGE, UPPER CANADA.—Matriculation Examination.

THE UNIVERSITY OF HALIFAX, NOVA SCOTIA.—Matriculation Examination.

THE UNIVERSITY OF FREDERICTON, NEW BRUNSWICK.—Matriculation Examination.

THE WESTERN UNIVERSITY OF ONTARIO.—Matriculation Examination.

THE UNIVERSITY OF MANITOBA.—Previous Examination.

CODRINGTON COLLEGE (BARBADOS).—English Certificate for Students of two years' standing, and Latin Certificate, or "Testamur."

GERMANY AND OTHER CONTINENTAL COUNTRIES.—Gymnasial Abiturienten-Examen, and corresponding Entrance Examinations to the Universities.

8. In the case of candidates for the Medical Preliminary Examination, who hold qualifications from Foreign or Colonial Bodies, other than Universities, whose certificates are not included in the list of Equivalent Examinations issued by the Joint-Board, a committee in each University, consisting of the Deans of the Faculties of Arts, Science, and Medicine, is empowered to accept such certificates, if it deems them sufficient, provided that all such cases are reported to the Joint-Board at their meeting next following.

[Students would do well to ascertain at the Matriculation Office whether their Preliminary Examination is complete before beginning their medical studies.]

PROFESSIONAL EDUCATION.[1]

VII. Candidates shall be admitted to the Degree of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions:—

1. The candidate must have been engaged in medical study for at least five years.

[1] For Order of Study recommended, see pages 9 and 10.

2. In each of the first four years the candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in Sub-section 4 hereof—each course extending over a session of not less than five months, either continuous or divided into two terms; or, alternatively, one such course, along with two courses, each extending over a session of not less than two and a half months.
3. During the fifth or final year the candidate shall be engaged in clinical study for at least nine months at one or more of such public hospitals or dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.
4. The candidate must, during his curriculum, have attended a course or courses of instruction in each of the following subjects of study, including such examinations as may be prescribed in the various classes, viz.:—

1. ANATOMY,	During a course of not less than five months.
2. PRACTICAL ANATOMY,	During two courses of not less than five months each.
3. CHEMISTRY,	During courses of not less than five months
4. MATERIA MEDICA and THERAPEUTICS,	
5. PHYSIOLOGY or INSTITUTES OF MEDICINE,	
6. PRACTICE OF MEDICINE,	
7. SURGERY,	
8. MIDWIFERY and the DISEASES peculiar to WOMEN and INFANTS. Two courses of Midwifery, of three months each, provided different departments of Obstetric Medicine be taught in each of the courses, shall be reckoned equivalent to a course of not less than five months,	
9. PATHOLOGY,	
10. PRACTICAL CHEMISTRY,	During courses of not less than two and a half months.
11. PHYSICS (including the DYNAMICS OF SOLIDS, LIQUIDS, and GASES, and the RUDIMENTS OF SOUND, HEAT, LIGHT, and ELECTRICITY),	
12. ELEMENTARY BOTANY,	
13. ELEMENTARY ZOOLOGY,	
14. PRACTICAL PHYSIOLOGY,	
15. PRACTICAL PATHOLOGY,	
16. MEDICAL JURISPRUDENCE and PUBLIC HEALTH,	

Provided always, in so far as regards the University of Glasgow, that—

(*a*) It shall be the duty of the Senatus to determine from time to time [after receiving through the Faculty of Medicine the opinion of the Board of Studies] the number of meetings of which such courses shall consist, and in what cases two half courses shall be deemed equivalent to a full course; and to report the determination to the University Court for its approval.[1]

(*b*) It shall be the duty of the Professors and Lecturers to submit to the Senatus [after 1st October, 1894, the Board of Studies] annually at the end of the winter session a scheme specifying what propor-

[1] The Universities Commission, on 18th November, 1893, ordained that for the better carrying out of the purposes of these provisos the Senate should institute a Board or Boards of Studies in the Faculty of Medicine. See Section I., Ordinance No. 42, which received the approval of Her Majesty in Council on 28th May, 1894. The provisions of this supplementary ordinance have, in the text, been combined with the provisions of the original ordinance, by means of square brackets.

tion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. [The Board of Studies shall transmit the schemes to the Faculty of Medicine, who shall submit them to the Senate with such observations as they may think fit to make thereon.] The Senatus shall transmit such schemes, with such observations as it may think fit to make thereon, to the University Court for its approval.[1]

(c) The University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

5. The candidate must have attended for at least three years the Medical and Surgical Practice of a General Hospital at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons, and is recognised for the purpose by the University Court.[2]
6. The candidate must have attended Clinical Surgery during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary surgeons of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
7. The candidate must have attended Clinical Medicine during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Medicine, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary physicians of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
8. The candidate must have attended a course of instruction in Mental Diseases, of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to time determine.

   Under this sub-section the Senate, with the approval of the University Court, has determined that each candidate for the Degree of M.B. and Ch.B. shall be required to attend a course of instruction in Mental Diseases, given by the University Lecturer or by a recognised teacher, consisting of not less than eighteen meetings. Six of these may be class-room lectures, and the others shall be demonstrations in the wards of an asylum for the insane.
9. The candidate must have attended a course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an hospital or dispensary, or in an establishment recognised by the Pharmaceutical Society, *i.e.* in *the establishment of any chemist and druggist or pharmaceutical chemist of Great Britain*,

[1] See note p. 15.

[2] On 7th October, 1892, the University Court recognised every General Hospital in the United Kingdom which accommodates not fewer than eighty patients, *and possesses a distinct staff of physicians and surgeons.*

or any pharmaceutical chemist of Ireland, who is registered in the books of the Pharmaceutical Society of Great Britain or of the Pharmaceutical Society of Ireland respectively.[1]

10. The candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician or surgeon, or of a member of the London or Dublin Society of Apothecaries. He must have acted as clerk in the medical and dresser in the surgical wards of a public hospital; and must also have availed himself, to such an extent as may be required by the Senatus, with the approval of the University Court, of opportunities of studying at an hospital or dispensary *Post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other special departments as may from time to time be determined.

Under this sub-section the Senate, with the approval of the University Court, has determined as follows:—

A. Each candidate for M.B. and Ch.B. shall be required to attend—

1. Demonstrations in the *post-mortem* room of a recognised hospital, with practical instruction in making *post-mortem* examinations. The student must have attended during his curriculum at least twenty examinations.
2. A course of clinical instruction in Fevers, consisting of at least ten meetings in a hospital for infectious diseases containing not less than fifty beds.
3. A practical course of instruction in Ophthalmology of not less than twenty meetings. Six of these may be class-room lectures, and the others shall be for clinical instruction in the wards of a recognised hospital,[2] or in the wards of a hospital and in a dispensary both recognised for the purpose. The course shall include sufficient practical instruction in the methods of examining the eye.

B. Each candidate is also recommended to attend the following:—(*a*) Diseases of Children, (*b*) Diseases of the Ear, (*c*) Diseases of the Throat and Nose, and (*d*) Diseases of the Skin, in short practical courses of ten meetings.

N.B.—This is not to be understood as preventing a teacher in any speciality giving a fuller course to such students as may desire to follow out more fully any particular branch.

11. The candidate must have attended, under the superintendence of a registered medical practitioner, twelve cases of labour, or such additional number as the Senatus, with the sanction of the University Court, may from time to time determine; or have attended for three months the practice of a lying-in hospital, or of the maternity department of a general hospital or other public charitable institution, and have conducted personally six, or such an additional number of cases of labour as the Senatus, with the approval of the University Court, may from time to time determine.

[1] The explanatory words in italics are taken from Ordinance No. 54, Section II. issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.

[2] This means a hospital recognised *ad hoc*, after application to the University Court in each case.

12. The candidate must have been properly instructed in Vaccination at a Public Vaccination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.[1]
13. No candidate for a degree shall be deemed to have attended a class as part of the curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the places and institutions at which the studies of the candidate may be prosecuted, the following regulations shall have effect:

1. Two of the five years of medical study must be spent in the University of Glasgow, each year of study including always the attendances specified in Section VII., sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such medical schools or under such teachers as may be recognised for the purpose by the University Court, each year of study during the first four years including always the attendances specified in Section VII., sub-section 2.
3. Of the subjects of study specified in Section VII., sub-section 4, not less than eight must be taken in the University of Glasgow, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court, or in a College incorporated with, or affiliated to a University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court: Provided always that where in any of said subjects of study two or more courses are required, the taking of one of those courses shall constitute a taking of the subject for the purpose of this sub-section.
4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such medical schools or under such teachers as may be recognised for the purpose by the University Court.
5. All candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a fee of the same amount as the Matriculation Fee paid by students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The fee for attendance, for purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow shall be not less than the amount exigible for the corresponding courses in the University.

[1] The recognised Vaccine Departments in Glasgow are—Western Infirmary and Royal Infirmary.

7. The University Court shall not recognise as qualifying for examination in any of the subjects specified in Section VII., sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where Professors in the University are at liberty to teach two subjects: Provided always that a Professor or other teacher in any endowed public College or institution, who by the terms of his appointment is required to teach more than one subject of medical study therein, may be recognised under sub-section 2 of this section, as a teacher of any one of the subjects which he teaches.
8. A teacher, attendance on whose course of instruction shall, before the date of the approval of this ordinance by her Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such teacher may continue to be recognised as heretofore.
9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.

IX. In the University of Glasgow it shall be the duty of the Professors of the subjects specified in Section VII., sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one course of five or six months, or of two and a half or three months, as the case may be.[1]

X. If any candidate shall, before presenting himself for his Preliminary Examination, have attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a course or courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying course in the same subject in the University of Glasgow, such attendance shall (notwithstanding anything hereinbefore ordained) be held as entitling him to be examined in these subjects; and if the candidate shall have attended such course or courses in each of the said subjects, he shall be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent course or courses shall be presented to the Senatus

[1] Doubt being entertained as to the construction of this Section, the question was submitted to the Universities Commissioners, and evoked from them the following deliverance:—

It is not intended to require of the Professor a complete course of instruction by lectures during each session, or to limit the examinations for degrees to subjects which shall be discussed in the lectures of the Professor at the time that the student attended the course. The word "instruction," as used in this Section, is to be held to include lectures upon such parts of the subject as the Professor may be able to overtake, supplemented by directions as to the use of text-books or other sources of information for the remainder of the subject: and it is also intended that the examinations may be taken over the whole field, even when the Professor has not been able to include it all in his course of lectures.

at the time when the candidate presents himself for his Preliminary Examination; and the Senatus shall, if satisfied, grant a certificate to that effect: Provided also that *the provisions of this section shall not have effect except where the University Court shall allow their application after a report by the Senatus Academicus, setting forth special grounds therefor in the case of any candidate named in the report.*[1]

Professional Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery.[2]

XI. Each candidate shall be examined both in writing and orally, and also clinically where the nature of the subject admits, in the following divisions, viz.:—*First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics, *Third*, in Pathology, and Medical Jurisprudence and Public Health; *Fourth*, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery.

In subjects which admit of practical instruction, the examination shall be such as to test the practical acquirements of the candidate.

Provided always that if a candidate have obtained in a University of the United Kingdom, or other University specially recognised for the purpose by the University Court, a degree in Science or in Arts, granted in either case after a course of study and an examination in Botany, Zoology, Physics, and Chemistry, he shall be held to have passed his examinations in the said subjects.

Provided also that *if a candidate have completed in a University of the United Kingdom a course of study and passed an examination in Botany, Zoology, Physics, or Chemistry qualifying for a degree in Science or in Arts, he shall be held to have passed the examinations in such subject or subjects.*

If a candidate have obtained a degree in Science or in Arts in any University other than a University of the United Kingdom, granted in either case after a course of study and an examination in Botany, Zoology, Physics, or Chemistry, it shall be in the power of the University Court to exempt such candidate from the examinations in such subject or subjects: Provided that the course of study and the standard of examination in each case are satisfactory in the judgment of the Senatus Academicus.[3]

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz.:—Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full course in each of the subjects professed.

XIII. Candidates who have passed their examination in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

[1] The proviso in italics is taken from Ordinance No. 54, Section V., issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.

[2] For Table of Fees and Dates of Examinations, see page 27.

[3] The words in italics are taken from Ordinance No. 54, Sections III. and IV., issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.

Provided that candidates who so desire may postpone their examination in Materia Medica and Therapeutics until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

Provided that candidates who so desire may postpone their examination in Medical Jurisprudence and Public Health until the close of the summer session following.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.

XVI. If any candidate at these examinations be found unqualified in one or more subjects he shall not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.

XVII. If any candidate at these examinations be found to have passed in one or more subjects with sufficient merit, he shall not be liable to re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every candidate must deliver, on or before such day as the Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the candidate has satisfied the Examiners, the Dean of the Faculty of Medicine shall lay the proceedings before the Senatus, by whose authority the candidate shall be admitted, on such day as the Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.[1]

XX. Candidates for graduation shall produce evidence of their having conformed to the regulations which were in force at the time they commenced their medical studies: Provided that any student who began his medical studies before 1st January, 1892, shall be entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before[2] or after that date.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-

[1] For Table of Fees and Dates of Examination, see page 27.

[2] These regulations may be found at pp. 188—192 of the *University Calendar* for session 1895-96, and in the *Calendars* for preceding sessions.

four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

Under this sub-section the following regulations have been framed by the Senatus, and approved by the University Court:—The Examination in Clinical Medicine for the Degree of Doctor of Medicine shall for each candidate consist of a written Report and Commentary, with any oral questions that may be considered desirable, upon at least three Medical cases. In the selection of the cases, special regard shall be given to the opportunities they afford for testing the candidate, not only in the ordinary methods of clinical investigation, but also in the more advanced methods requiring practical knowledge in the applications of the ophthalmoscope and laryngoscope, in the chemical and microscopical examination of excreta, the quantitative determination and microscopic characters of the chief constituents of blood possessing clinical importance, the recording by instruments of the condition of the circulation, the applications of electricity, etc.

Provided always that one of the cases on which a candidate is examined may, if the candidate on entering his name for the Examination declare a wish to that effect, be from one of the following departments, namely, Diseases of Women, Diseases of Children, Mental Diseases, Zymotic Diseases, Diseases of the Eye, Diseases of the Throat, Diseases of the Ear, Diseases of the Skin. Should the candidate specialise in one of these departments he will be expected to show high proficiency in it.

The examinations for M.D. will be held in the month of October or November or December, each Session. Candidates must enter their names and lodge their Theses[1] with the Assistant Clerk (Matriculation Office) on or before 1st October.

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and

[1] See footnote 3, page 26.

the Thesis composed by himself,[1] shall be lodged with the Dean of the Faculty of Medicine (at the Matriculation Office) on or before a date to be fixed by the Senatus (1st October).

4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

Bachelors of Medicine and Masters of Surgery of the University of Glasgow, who have graduated under the regulations in force before the fifth day of August, 1892, *may proceed to the Degree of Doctor of Medicine under the provisions of this section, in the same manner as if they held the Degree of Bachelor of Surgery.*[2]

PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.

2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine;

[1] The Faculty of Medicine give notice that no Thesis will be approved unless it gives evidence of original observation, or, if it deal with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited: mere compilations will in no case be accepted

[2] Taken from Ordinance No. 54, Section VI., which was issued by the Universities Commissioners on 18th July, 1894, and came into operation on 11th May, 1895, having on that date been approved by Her Majesty in Council.

and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

Under this sub-section the following regulations have been framed by the Senatus, and approved by the University Court:—The Examination in Clinical Surgery for the Degree of Master of Surgery shall for each candidate consist of a written Report and Commentary, with any oral questions that may be considered desirable on at least three Surgical cases.

Provided that one of the three Surgical cases on which a candidate is examined shall, if the candidate on entering his name for the Examination declare a wish to that effect, be from one of the following departments, namely, Surgical Diseases of Women, Diseases of the Throat, Diseases of the Eye, Diseases of the Ear. Should the candidate specialise in one of these departments he will be expected to show high proficiency in it.

3. Each candidate for the Degree of Master of Surgery shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself,[1] shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.

4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in Sub-section 2 of this section, at any period of examination after he has received such degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively medical, and unless his Thesis, in the judgment of the Faculty of Medicine, is of exceptional merit.

Fees.

XXIII. The fee to be paid for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the

[1] See footnote 1 on page 23.

examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

Examiners.

XXIV. The Examiners for graduation in Medicine in the University of Glasgow shall be the Professors in that University, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem necessary: Provided that the Court shall make such provisions as will ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall not be a Professor or Lecturer in the University. The examinations shall be conducted in writing and orally and also clinically, when the nature of the subject admits, under regulations framed by the Senatus subject to the approval of the University Court.

Distinctions attainable by Students and Graduates of Medicine.

Candidates who have shown special merit in any subject or subjects at any of the Professional Examinations will be announced as having passed in such subject or subjects "with distinction."

Candidates who have shown special merit as indicated by the aggregate results of the four Professional Examinations will be announced, at the time of Graduation, as having obtained Commendation or Honours, according to the degree of excellence.

In connection with the Higher Degrees in Medicine and Surgery two grades of distinction are also awarded, viz., Commendation and Honours. The Bellahouston Trustees have announced their intention of enabling the University to award three Gold Medals yearly to those who having gained Honours shall be pronounced by the Senate on the Report of the Faculty of Medicine worthy of this highest distinction for the excellence of their Theses.

GRADUATION.

The terms for conferring Medical and Surgical Degrees in session 1902-3 are 6th November, 1902; 5th February, 1903; 21st April, 1903; and 21st July, 1903.

Candidates proceeding to graduation, if not already Members of the General Council of the University, are required by the Act, 44 and 45 Vict., ch. 40, to pay to the Registrar of the General Council the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council. This should in all cases be done at least two clear days before the day of graduation.

In accordance with the Promissory Oaths Act, 1868, a Declaration

in the following English form is now substituted for the Latin Oath,[1] formerly required to be taken and subscribed by every candidate on graduation :—

I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge.

REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 54 George Square, Edinburgh. Fee £5 1s. Additional qualifications, 5s. each. Forms of application may be had from the Assistant-Clerk (Matriculation Office).

DEGREE OF DOCTOR OF MEDICINE (OLD REGULATIONS).[2]

The Degree of Doctor of Medicine may be conferred on any candidate who has obtained the degree of Bachelor of Medicine, and is of the age of twenty-four years, and has been engaged, subsequently to his having obtained the degree of Bachelor of Medicine, for at least two years in attendance on an hospital, or in the Military or Naval medical service, or in medical or surgical practice: Provided always that the degree of Doctor of Medicine shall not be conferred on any person, unless he be a graduate in Arts within the fifth section of the Ordinance, or unless he shall have passed a satisfactory examination in Greek, and in Logic or Moral Philosophy, and in one, at least, of the following subjects—namely, French, German, Higher Mathematics, Natural Philosophy, and Natural History. Provided also that each candidate for the degree of Doctor of Medicine shall present an Inaugural Dissertation composed by himself to be approved by the Senatus Academicus. Such Dissertations or Theses[3] must be lodged with the Assistant-Clerk (Matriculation Office), on or before 1st February, 1st June, or 1st October. No Thesis will be approved of unless it gives evidence of original observation, or, if it deal with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited: mere compilations will in no case be accepted. The fee for the Degree of M.D. (Old Regulations) is £5 5s.

[1] *The Oath was in these words*:—Testor Deum omnipotentem me hoc Iusjurandum pro virili servaturum; Victus rationem aegris commodam et salutarem praescripturum: nullius intercessione nec sponte noxium pharmacum cuiquam propinaturum; sed sancte et caste vitam artemque meam instituturum: In quascunque domos intravero ad aegrotantium duntaxat salutem ingressurum et ab omni injuria inferenda procul futurum: Quaecunque inter curandum videro audiverove siquidem ea efferre non expediat silentio suppressurum.

[2] See also page 23, portion in italics.

[3] Candidates are required to have their Theses bound in stiff boards by a bookbinder before sending them in.

Table of Examinations for Degrees in Medicine to be held during Session 1902-3.

Fees.	Names to be given in and Fees paid to Assistant-Clerk[1] (Matriculation Office). Date.[2]	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed instructions for filling up may be obtained from the Assistant-Clerk[1] (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.		
Under the Old Regulations the Fee for each Professional Examination is £5 5s.; under the New, the Fees are—First, £6 6s.; Second, £6 6s.; Third, £5 5s.; Fourth, £5 5s.	11th September, 1902,	1902. Mon., 29th Sept., - Zoology - - - 10—11.30 a.m. Mon., 29th ,, - Materia Medica - 10—12 noon. Tues., 30th ,, - Physics - - - 10—12 noon. Wed., 1st Oct., - Med. Jurisp. (N.R.) 10—1 p.m.	Botany - 12.30—2 p.m. Anatomy - 10—12 noon. Pathology - 3—5 p.m.	Chemistry 3—4.30 p.m. Physiology 12.30—2.30 p.m
	12th March, 1903,	1903. Mon., 30th March, Zoology - - - 10—11.30 a.m. Mon., 30th ,, - Materia Medica - 10—12 noon. Tues., 31st ,, - Physics - - - 10—12 noon. Wed., 1st April, - Med. Jurisp. (N.R.) 10—1 p.m.	Botany - 12.30—2 p.m. Anatomy - 10—12 noon. Pathology - 3—5 p.m.	Chemistry 3—4.30 p.m. Physiology 12.30—2.30 p.m.
	28th May, 1903,	1903. Thurs., 18th June, - Practice of Medicine 10—12 noon. Fri., 19th ,, - Midwifery - - 10—12 noon. Fri., 19th ,, - (*Clinical Examinations begin*). Mon., 22nd ,, - Medical Jurisp. (O.R.) 10—12 noon. Tues., 23rd ,, - Pathology (O.R.) - 10—12 noon.	Surgery - 2—4 p.m.	

[1] For Women Students, Miss Galloway, Queen Margaret College.

[2] When names are not given in and fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the candidate can be enrolled for examination. A candidate is not held to be enrolled for examination until his name is entered, the fee paid, and all the necessary Certificates, etc., lodged. Every candidate must matriculate at the University for the session in which he enters for professional examination or for graduation.

For Dates in regard to Medical Preliminary Examination, see page 29.

PRELIMINARY EXAMINATION FOR DEGREES IN MEDICINE.

The following are the details referred to on page 11.

LATIN will comprise Grammatical Questions, Translation into English from Latin Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Latin.

N.B.—The papers set in Latin will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The Examination will be—Translation and Parsing, Prose Composition, Grammar, and Sentences.

Candidates are required to satisfy the Examiners both in Composition and in Translation.

GREEK will comprise Grammatical Questions, Translation into English from Greek Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Greek.

N.B.—The papers set in Greek will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The Examination will be—Translation, Sentences, and Grammar.

Candidates are required to satisfy the Examiners both in Composition and in Translation.

MATHEMATICS will comprise (1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration. The Joint Board has directed that each question in Geometry shall consist of two parts, of which one shall be an easy deduction or illustrative exercise on the proposition set as bookwork.

N.B.—The papers set in Mathematics will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The paper in Mathematics on the Lower Standard will be devoted to the various subjects comprised in as nearly as possible the following proportions: four-ninths to Geometry, three-ninths to Algebra, and two-ninths to Arithmetic.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

Candidates are requested specially to note—

THAT THE EXAMINATIONS IN LATIN, GREEK, FRENCH, AND GERMAN WILL BE WHOLLY ON "UNSEEN" BOOKS, NO SPECIAL AUTHORS HAVING BEEN PRESCRIBED BY THE JOINT BOARD.

The Examinations will take place as follows:—

FRIDAY, 26th SEPTEMBER, 1902, and 27th MARCH, 1903.

English, - - - - - -	9 a.m. to 12 noon.
Latin, - - - - - -	3 to 6 p.m.

SATURDAY, 27th SEPTEMBER, 1902, and 28th MARCH, 1903.

Greek, - - - - - -	3 to 6 p.m.

MONDAY, 29th SEPTEMBER, 1902, and 30th MARCH, 1903.

Mathematics, - - - - -	3 to 6 p.m.

TUESDAY, 30th SEPTEMBER, 1902, and 31st MARCH, 1903.

French, - - - - - -	12 noon to 3 p.m.

WEDNESDAY, 1st OCTOBER, 1902, and 1st APRIL, 1903.

German, - - - - - -	3 to 6 p.m.

The Fee for the Examination is 10s. 6d., payable on each occasion of entering. Forms of Application for admission to the Examinations may be had, after 1st September and 1st March, from Mr. W. INNES ADDISON, Assistant Clerk, Matriculation Office.[1] THE LAST DAYS FOR RECEIVING NAMES ARE 8TH SEPTEMBER, 1902, AND 6TH MARCH, 1903. *Late Entries cannot, under any circumstances, be received.*

The results will not be known till, at earliest, 16th October, 1902, and 16th April, 1903.

[1] Women Students will please apply for forms to Miss Galloway, Queen Margaret College.

BURSARIES IN CONNECTION WITH THE FACULTY OF MEDICINE.

BURSARIES IN THE FACULTY OF MEDICINE.

Foundation.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Arthur,[1]	1	3	£20
Brisbane,	1	4	£42
Buchanan Society,[2]	2	4 or 5	£35
Davidson,	1	3	£26
Gardiner,[2]	1	2	£13 10/
Gibson, Dr. Thomas,[2]	1	4	£32
Glasgow Highland Society,	7	4	£25
Logan,[2]	1	4	£17
Lorimer,	4	3	£25 and £19
Macarthur,	1	2	£20
Macfarlane, John,	1	3	£40
Mackintosh,[2]	1	1	£31
Marshall,	1	4	£15
Merchants' House,	2	4	£25
Monteith, John,	2	2	£21
Paterson, James A.,	8	4	£35 and £25
Rainy,	2	2	£20
Walton,	1	4	£34
Weir, Andrew,	1	1	£15

BURSARIES IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.

Macdonald,	2	4	£15
William Whyte,	4	4	£25

BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.

Armagh,[2]	3	3	£45
Bell,	—	—	£50
Hutcheson, Thomas,	1	4	£11 2/2¾

BURSARIES IN ANY FACULTY.

Ayrshire Society,	4	3	£15
Celtic Society (Campbell),	1	1 or more	£5
Denny,	4	4	£30
Dumfriesshire Society,[2]	2	4	£15
Ferguson, James,	2	2	£85
Forrest,	5	5 or less	£22
Gibson, John,	2	3	£20
Kintyre (Ker),	1	3	£20
Kintyre (Alexander Love),	1	4	£11
M'Kechnie,	2	4	£35
Pratt,[2]	2	4	£20
Shearer,	3	3	£30
Smith,	1	4	£18
Stillie,	1	1	£5
Taylor,[2]	2	4	£7

[1] Open to women students only. [2] Both men and women are eligible.

PRIZES IN THE FACULTY OF MEDICINE.

Senior Arnott Prize, - - -	£25	awarded annually.
Junior Arnott Prize, - - -	£15	,,
Brunton Memorial Prize, - -	£10	,,
Macleod Gold Medal, - - -		,,
Dobbie-Smith Gold Medal, - -		,, biennially,

John Reid Prize, £25 tenable for one or more years.

The following Fellowships and Scholarships are tenable by Students of Medicine:—George A. Clark Scholarships, John Clark (Mile-End) Scholarships, Eglinton Fellowships, William Euing Fellowships, Luke Fellowship, and Scott Scholarship. (*See University Calendar.*)

BURSARIES AND PRIZES IN MEDICINE.

Open to Competition during Session 1902-1903.

1. *Mackintosh Bursary*, annual value about £31, tenable for one year. Open to medical students of either sex who have attended the Lectures on Insanity.

2 and 3. *Two Glasgow Highland Society Bursaries*, annual value of each £25, tenable for five years, for students of Highland descent. Apply to Mr. R. Hope Robertson, 58 St. Vincent Street, on or before 15th August.

4. *John Macfarlane Bursary*, annual value about £40, tenable for three years. Open to Medical students entering on their second winter session.

5 and 6. *Two Lorimer Bursaries*, annual value £19, tenable for three years. Open to medical students entering on their second winter session.

7. *Rainy Bursary*, annual value £20, tenable for two years. Open to students entering on their fourth session of medical study. See page 304 of Calendar.

8 and 9. *Two James A. Paterson Bursaries*, annual value £35 and £25 respectively, tenable for four years. Open to students entering on their first or second session of medical study. Examination in Mathematics and Dynamics.

10. *John Monteith Bursary*, annual value about £21, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in March and October, 1902.

11. *Andrew Weir Bursary*, annual value £15, tenable for one year, will be awarded in November in accordance with results of Second and Third Professional Examinations.

12. *Junior Arnott Prize*, of about £15, for an examination in General Physics, open to students of the first and second years of their medical studies.

13. *Senior Arnott Prize*, of £25, for an examination in Physiological Physics, open to students of the third and fourth years of their medical studies.

14. *Brunton Memorial Prize*, of about £10, is given to the most distinguished graduate in Medicine of the year.

For the *Denny*, the *Hutchesons' Educational Trust*, the *William Whyte*, the *Macdonald*, the *Armagh*, and the *James Ferguson Bursaries*, also tenable by students of Medicine, see Nos. 21, 33 to 37, 51, 65, 66, and 64, under Faculty of Arts in *Calendar*.

Dates of Examinations.

The examinations for the Bursary No. 1 in the above list will be held in June, for Nos. 2 and 3, at the same time as the Medical Preliminary; for Nos. 4 to 6 on Monday, 29th September, at 12.30 p.m. and 3 p.m., and on Tuesday, 30th September, at 10 a.m; for Nos. 8 and 9, on Saturday, 27th September, at 12 noon; Monday, 29th September, at 12 noon; and Friday, 3rd October, at 9 a.m.; and for the Prizes Nos. 12 and 13 on Saturday, 4th October, at 2 p.m.

Dates for sending in Applications.

Candidates for the Bursary No. 1 are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 1st June; for Bursaries Nos. 2 to 9, not later than 8th September; and for Prizes 12 and 13, not later than 17th September.

PATRONAGE BURSARIES.

None vacant this Session.